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Sheet	1
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of

2

Application Number

10/635.694

Filing Date

**August 5, 2003**

**First Named Inventor**

Robert L. Memmen

Group Art Unit

8373

Examiner Name

Attorney Docket Number

**EH-10895 (03-357)**

[illegible][illegible]

**Examiner  
Signature**

Date Considered

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b>	
		Application Number	10/635,694
		Filing Date	August 5, 2003
		First Named Inventor	Robert L. Memmen
		Group Art Unit	8373
		Examiner Name	
Sheet	2	of	2
		Attorney Docket Number	EH-10895 (03-357)

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
EC		DUANE G. WILLIAMS, Vacuum Coating with a Hollow Cathode Source, J. Vac. Sci. Technol., January-February, 1974, New York	
EE		PATENT ABSTRACTS OF JAPAN, Vol. 122, No. 2, June 10, 1988 - JP 63004068 (Hitachi Ltd.)	
EC		J.R. TREGGIO ET AL., Deposition of TiB2 at Low Temperature with Low Residual Stress Vacuum Arc Plasma Source, Surface and Coatings Technology, December 3, 1993, Elsevier Sequoia SA, Switzerland	

Examiner Signature		Date Considered	1/7/2006
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Application Number						
Filing Date						
First Named Inventor		James W. Neal				
Group Art Unit						
Examiner Name						
Attorney Docket Number		EH-10895(03-357)				
Sheet	1	of	1			

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
CC		4,822,248		WERTZ ET AL.	04-18-1989	
		5,451,142		CETEL ET AL.	09-19-1995	
		5,525,429		MANNAVA ET AL.	08-11-1998	
		5,732,487		WHITE ET AL.	03-31-1998	
		5,783,318		BIONDO ET AL.	07-21-1998	
		6,049,978		ARNOLD	04-18-2000	
		6,302,625		CAREY ET AL.	10-16-2001	
		2002/0076573		NEAL ET AL.	06-20-2002	
EC						

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sub>0</sub>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

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